PRESS RELEASE

Dukosi Announces DCIR and EIS Evaluation Kit for Next-Generation Battery Development

Dukosi Smart Cell Technology Brings Lab-grade DCIR and EIS Measurement Accuracy to the Cell in a Single Development Tool

EDINBURGH, United Kingdom, 9th November 2026 — Dukosi Ltd, the technology company revolutionizing the performance, safety and sustainability of high-power battery systems, announces the availability of its DC Internal Resistance (DCIR) and Electrochemical Impedance Spectroscopy (EIS) Evaluation Kit (EVK). The EVK enables ecosystem partners across the battery supply chain to evaluate Dukosi Smart Cell technology and begin integrating these advanced measurement capabilities into its lithium-ion battery packs. The Dukosi EVK provides distinct DCIR and EIS measurements at industry leading speed with lab-quality accuracy on the cell with no additional software or calibration required. Dukosi's Smart Cell applications include electric vehicles (xEV), industrial and marine systems, robotics, infrastructure, and battery energy storage systems for utility- and grid-scale projects and AI data centers.

Dukosi DCIR tests can be completed considerably faster than competing systems, giving the battery management system (BMS) near-real-time insight into internal cell conditions. In parallel to Dukosi's unique per-cell voltage and surface temperature readings provided by the Cell Monitor's on-die temperature sensor, these insights support more accurate State of Available Power, plus improved safety and operational intelligence through more detailed thermal modeling.

The EVK with Dukosi smart chip-on-cell technology delivers highly accurate EIS measurements that match the performance of lab-grade equipment in real-world battery conditions. Dukosi EIS measurements track electrochemical changes, providing additional data to improve State of Health (SoH) estimation for each cell. Developers can perform a full frequency sweep from 0.1 Hz to 3.5 kHz or select target frequencies to identify specific data points and reduce test time. Customers have benchmarked Dukosi's EIS versus multiple competitor solutions and reported that the Dukosi solution achieves results with the highest accuracy and measurement speeds 15 to 20 times faster. Compared with battery-level health tracking, cell-level SoH insights support actions such as predictive maintenance, outlier detection and supply-chain tracking, while improving residual cell value for next-life use in a circular economy.

Joseph Notaro, President at Dukosi, said: "Our smart cell monitoring solutions and proprietary C-SynQ® communication protocol have gained significant market adoption.

We're building on that foundation with industry-leading, cell-level DCIR and EIS measurements that bring insights previously available only from high-end lab equipment directly into production-spec batteries. More accurate, consistent, and detailed cell data helps developers design safer, more reliable systems with longer operating lives. Our DCIR and EIS Evaluation Kit gives customers a proven platform for technology evaluation and proof-of-concept development, backed by comprehensive support to help bring next-generation battery solutions to market."

The Dukosi DCIR and EIS Evaluation Kit and graphical user interface (GUI) enable developers to evaluate advanced cell-level measurements using Dukosi's chip-on-cell solution with C-SynQ. The platform supports the development of battery packs that integrate the technology to enhance safety, reliability, performance and longevity. Using one evaluation board per cell in the same configuration, developers can create multi-cell networks to emulate a full battery pack. Dukosi provides technical documentation to help customers optimize pack designs for the best results.

The Dukosi DCIR and EIS EVK includes:

- A Dukosi Cell Monitor board (DK_DCIR_EIS_CM). One board is required for each cell in a multi-cell network.
- A Dukosi System Hub unit (DK_DCIR_EIS_SH). One hub connects up to 216 Cell Monitor boards.
- All cables and accessories required for either testing via power supply or live cells.
- An easy-to-use GUI offering a digital-twin visualization of the battery setup. Users can switch between DCIR and EIS tests in the GUI without changing the physical setup.
- Comprehensive documentation and technical support throughout product development.

Dukosi is showcasing its award-winning battery cell monitoring solutions, including the DCIR and EIS EVK, the DK-NFLNK module demonstrator and the Battery Passport Ready Secure Solution demonstrator developed in collaboration with STMicroelectronics at electronica this week, 10th – 13th November, in Munich. **Join Dukosi on the PGUB Future Mobility Pavilion, in Hall B4 on booth #B4.421**. To arrange a meeting and view a demonstration at the show, please email info@dukosi.com.

To learn more, visit the Dukosi DCIR & EIS EVK product page, or contact us via our website.

About Dukosi

Dukosi develops revolutionary technologies that dramatically improve the performance, safety, and efficiency of battery systems, and enable a more sustainable battery value

chain. The company provides a unique cell monitoring solution based on chip-on-cell technology and C-SynQ® communications protocol for electric vehicles (xEV), industrial transportation, robotics and stationary energy storage markets. Headquartered in Edinburgh, UK, Dukosi has a global footprint with locations in USA, Asia and Europe.

For more information, please visit www.dukosi.com

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